

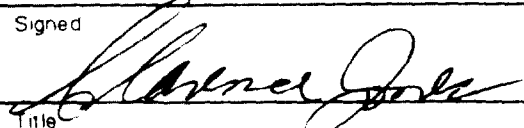
CERTIFICATION

This report must be certified, as follows:

- A. By licensee, if an individual;
- B. By a partner, if a partnership (general partner, if a limited partnership);
- C. By an officer, if a corporation or an association; or
- D. By an attorney of the licensee, in case of physical disability or absence from the United States of the licensee.

**WILLFUL FALSE STATEMENTS MADE ON THIS FORM ARE PUNISHABLE BY FINE AND IMPRISONMENT.
U.S. CODE, TITLE 18, SECTION 1001.**

I certify to the best of my knowledge, information and belief, all statements contained in this report are true and correct.

Signed	
Title	owner
Date	May 14, 1988
Name of Respondent	CLARENCE JONES
Telephone No. (include area code)	803-854-2671

FCC NOTICE TO INDIVIDUALS REQUIRED BY THE PRIVACY ACT AND THE PAPERWORK REDUCTION ACT

The solicitation of personal information requested in this application is authorized by the Communications Act of 1934, as amended. The principal purpose for which the information will be used is to determine if the license renewal requested is consistent with the public interest. The staff, consisting variously of attorneys, accountants, engineers, and applications examiners, will use the information to determine whether the license renewal application should be granted, denied, dismissed or designated for hearing. If all the information requested is not provided, the application may be returned without action having been taken upon it or its processing may be delayed while a request is made to provide the missing information. Accordingly, every effort should be made to provide all necessary information. Your response is required to obtain the requested authority.

THE FOREGOING NOTICE IS REQUIRED BY THE PRIVACY ACT OF 1974, P.L. 93-579, DECEMBER 31, 1974, 5 U.S.C. 552a(e)(3) AND THE PAPERWORK REDUCTION ACT OF 1980, P.L. 96-511, DECEMBER 11, 1980, 44 U.S.C. 3507.

L I C E N S E R E N E W A L A U T H O R I Z A T I O N

RUN DATE: 18-88-11

THIS IS TO NOTIFY YOU THAT YOUR
APPLICATION FOR RENEWAL OF
LICENSE WAS GRANTED ON 11-17-88
FOR A TERM EXPIRING ON 12-01-95
FREQUENCY: 1370KHZ

THIS IS YOUR LICENSE RENEWAL
AUTHORIZATION FOR STATION
WMNY
ELLOREE-SANTEE SC

CLARENCE E. JONES
WMNY AM STATION
ROUTE 1, BOX 189
SANTEE, SC 29142

THIS ALSO IS THE RENEWAL
CERTIFICATE FOR YOUR CURRENTLY
AUTHORIZED AUXILIARY SERVICES.

THIS CARD MUST BE POSTED WITH THE
STATION'S LICENSE CERTIFICATE AND
ANY SUBSEQUENT MODIFICATIONS.

United States of America
Federal Communications Commission
Washington, D.C. 20554

Approved by OMB
3060-0110
Expires 8/31/90

APPLICATION FOR RENEWAL OF LICENSE FOR COMMERCIAL AND NONCOMMERCIAL AM, FM OR TV BROADCAST STATION

1. Name of Applicant Clarence E Jones		Mailing Address Rt 1, Box 189,	
Call Letters WMNY	City Elloree	State SC	ZIP Code 29142

2. Have the following reports been filed with the Commission:
- (a) The Annual Employment Reports (FCC Form 323 or 323-E) as required by Section 73.3612 of the Commission's rules?
☒ Yes ☐ No
If No, attach as Exhibit No. _____ an explanation.
- (b) The applicant's Ownership Report (FCC Form 323 or 323-E) as required by Section 73.3615 of the Commission's rules?
☒ Yes ☐ No If No, give the following information:
Date last ownership report was filed: **1987**
Call letters of the renewal application with which it was filed: **Sole Owner Exempt**
3. Is the applicant in compliance with the provisions of Section 310 of the Communications Act of 1934, as amended, relating to interests of aliens and foreign governments?
☒ Yes ☐ No
If No, attach as Exhibit No. _____ an explanation.
4. Since the filing of the applicant's last renewal application for this station or other major application, has an adverse finding been made, a consent decree been entered or final action been approved by any court or administrative body with respect to the applicant or parties to the application concerning any civil or criminal suit, action or proceeding brought under the provisions of any federal, state, territorial or local law relating to the following: any felony; lotteries; unlawful restraints or monopolies; unlawful combinations; contracts or agreements in restraint of trade; the use of unfair methods of competition; fraud; unfair labor practices; or discrimination?
☒ Yes ☐ No If Yes, attach as Exhibit No. _____ a full description, including identification of the court or administrative body, proceeding by file number, the person and matters involved, and the disposition of litigation.
5. Has the applicant placed in its public inspection file at the appropriate times the documentation required by Section 73.3526 or 73.3527 of the Commission's rules?
☒ Yes ☐ No If No, attach as Exhibit No. _____ a complete statement of explanation.

THE APPLICANT hereby waives any claim to the use of any particular frequency or of the electromagnetic spectrum as against the regulatory policies of the United States because of the previous use of the same, whether by license or otherwise, and requests an authorization for the use of the same in this application. (See Section 304 of the Communications Act of 1934, as amended.)

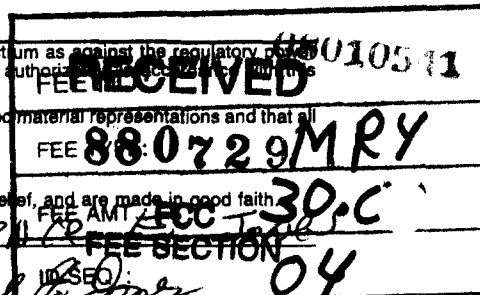
THE APPLICANT acknowledges that all the statements made in this application and attached exhibits are considered material representations and that all the exhibits are a material part hereof and are incorporated herein as set out in full in the application.

CERTIFICATION

I certify that the statements in this application are true, complete, and correct to the best of my knowledge and belief, and are made in good faith.

Signed and dated this 28 day of July , 19 88	Name of Applicant CLARENCE E JONES
By Signature Clarence E Jones	Title owner

WILLFUL FALSE STATEMENTS MADE ON THIS FORM
ARE PUNISHABLE BY FINE AND IMPRISONMENT,
U.S. CODE, TITLE 18, SECTION 1001



W M N Y

STUDIO-XMTR HWY 6
Santee Scene Building
Rt 1, Box 189, SANTEE, S.C.
29142-9718

5000 Watts - 1370 Khz

ELLOREE

S A N T E E


(803)-854-2671

August 1 1988

Secretary
Federal Communications Commission
Washington, DC

Dear Sir:

Licensee amends his application for renewal of license of station WMNY Elloree SC by submitting the attached statement regarding RF radiation.


Clarence E. Jones,
Licensee of WMNY Radio

CNN News

EASY LISTENING - BEAUTIFUL MUSIC FOR LAKE MARION-MOULTRIE AREA

761
COPY

AUG 5 '88

OFFICE OF THE

August 5, 1988

Mr. H. Walker Feaster, III
Acting Secretary
Federal Communications Commission
1919 M Street, N.W.
Washington, D.C. 20554

Re: Amendment to the
Application for Renewal
of License of Station
WMNY Elloree, SC

Dear Sir:

Forwarded herewith, on behalf of the licensee, is an amendment to the application for Renewal of License of Station WMNY Elloree, SC (filed July 29, 1988) to provide information respecting RF Radiation.

Should any questions arise respecting this matter, please communicate directly with the undersigned.

Very truly yours,


Leonard S. Joyce

Enclosure

STATEMENT REGARDING RF RADIATION

This is to certify that the operation of the facilities of station WMNY has not and will not lead to the exposure of workers or the general public to levels of radiation exceeding health and safety guidelines issued by the American National Standards Institute.

Date: August 1, 1988


Clarence E. Jones
Licensee of WMNY Radio

ORIGINAL

BLAIR, JOYCE & SILVA

ATTORNEYS AT LAW

1825 K STREET, N.W.

WASHINGTON, D.C. 20006

TELEPHONE
(202) 659-4230

CABLE ADDRESS
FEDLAW

July 29, 1988

Federal Communications Commission
1919 M Street, NW
Room L-18
Washington, DC 20554

RECEIVED

880729

FCC
FEE SECTION

Dear Sir or Madame:

Transmitted herewith, on behalf of Clarence E. Jones is the original and one copy of the application (FCC Form 303-S) for renewal of the license of Station WMNY(AM), Elloree, South Carolina.

An original and one copy of the EEO Employment Report (FCC Form 396) for the station is enclosed.

Also enclosed is an Ownership Report (FCC Form 323) relating to the station.

The statement regarding RF radiation is currently being prepared and will promptly be filed as an amendment to this application.

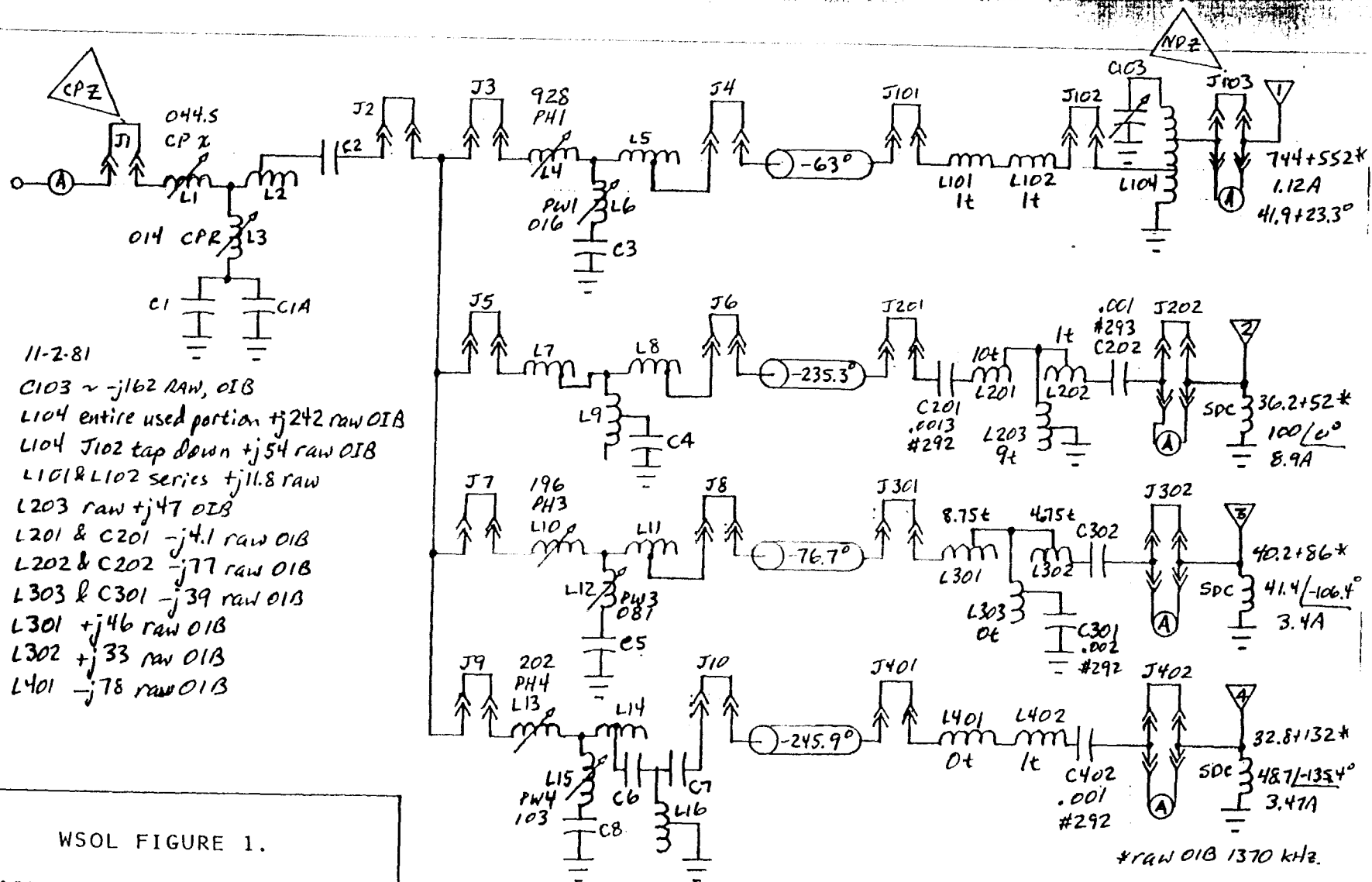
Please find enclosed a check for \$30.00 to cover the filing fee for the renewal application.

Should further information be desired in connection with this matter, please communicate with this office.

Very truly yours,

Leonard S. Joyce
Leonard S. Joyce

Enclosures



WSOL FIGURE 1.
 DETAILS OF COUPLING CIRCUITS

ND RESISTANCE MEASURED AT J103
 DA CP RESISTANCE MEASURED AT J1

RECEIVED BY

JUL 10 1944

Description of Method Used to Determine Impedance

FCC MAIL BRANCH

The antenna impedance was determined by measurement with an R.F. Impedance Bridge. The antenna circuit was opened by removing link "A-B" as shown in the attached schematic of the antenna coupling circuit.

A General Radio type 916A R.F. Impedance Bridge was employed in conjunction with a Potomac Instruments type SD-31/RX-31 Frequency Synthesizer and Coherent Detector which both drives the bridge at the desired frequency and serves to be a null detector. The test signal is variable to 500Hz frequency steps and is read directly from the frequency dial setting.

The ground terminal of the impedance bridge was connected to the "ground" terminal of the antenna tuning unit. At each frequency, initial balance conditions were established with the "unknown" of the bridge connected to "ground". The "unknown" terminal was then removed from "ground" and connected to point "A" and the bridge was re-balanced to read the resistive and reactive components of the antenna impedance. These values are shown in Table No. 1.

HOVERMALE ASSOCIATES

Radio Communication Technical Services

HOME TELEPHONE 803/473-2758

ALAN S. HOVERMALE, Chief Engineer

TELEPHONE 803/773-4391, MOBILE PHONE 77

POST OFFICE BOX 365

MANNING, S. C. 29102

RECEIVED BY

JUL 05 1989

FCC MAIL BRANCH

Manufacturer's Name of Each Calibrated Instrument Used
And Rated Accuracy by Same:

1. General Radio Company, Type 916A R.F. Impedance Bridge,
Serial No. 677.

Accuracy:

Resistance: $\pm (1\% + 0.1) \text{ ohm}$

Reactance: $\pm (2\% + 1.0) \text{ ohm} + .008 \times R \times f$

(where R is measured resistance in ohms
and f is frequency in mHz)

2. Potomac Instruments, Inc. , Type SD-31/RX-31 Frequency
Synthesizer and Coherent Detector, Serial #150

Accuracy: $\pm .005\%$, $+20^{\circ} \text{ F}$ to $+100^{\circ} \text{ F}$

3. Fluke 1980A frequency Counter Serial # 642

Accuracy Calibrated against WWV. periodically.

Calibration Information:

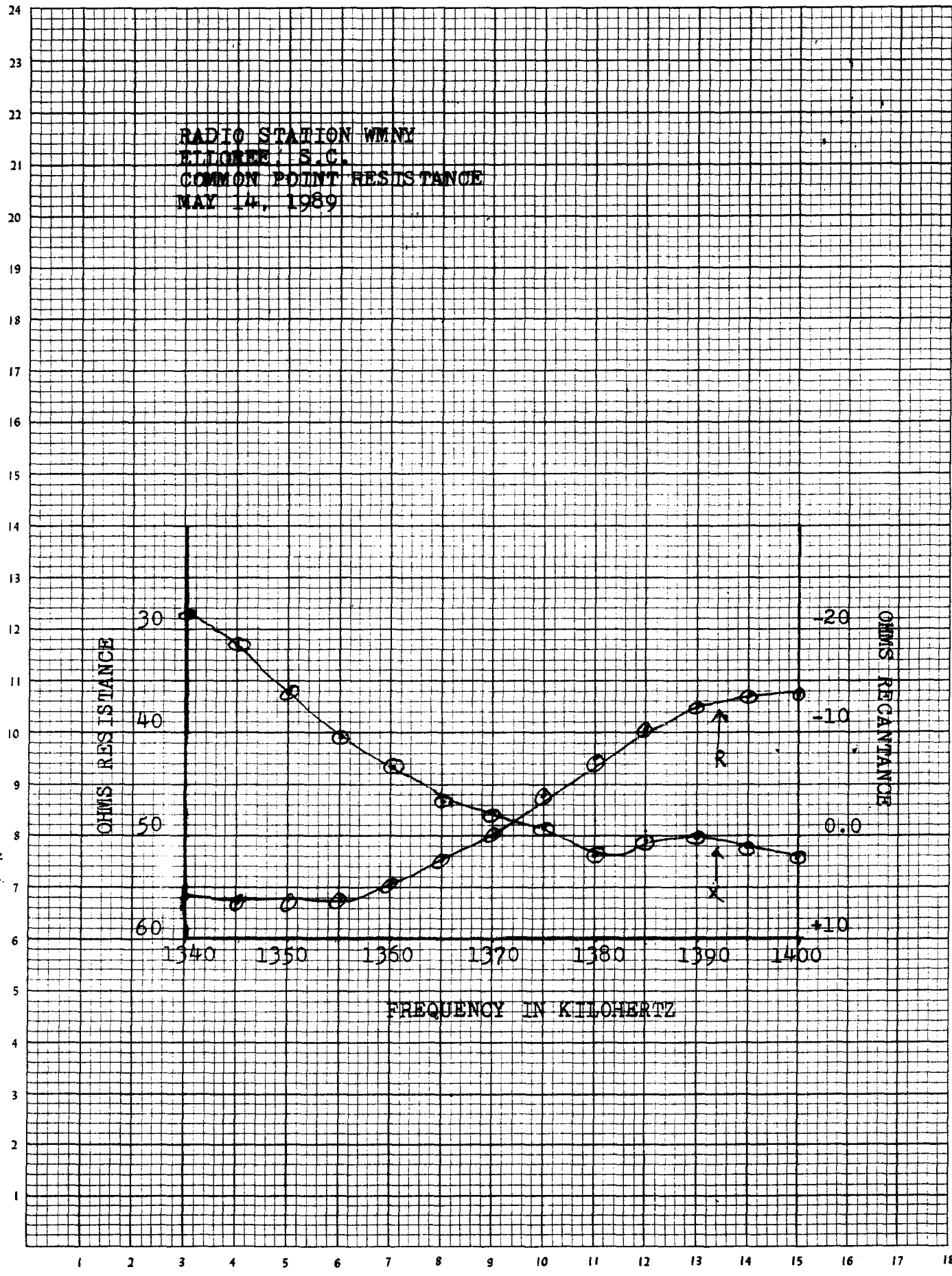
1. General Radio 916A Serial No. 677 was checked by Alan S. Hovermale
at the time of measurements using several "known" precision
resistors and several "known" inductors. Error was found to
be negligible.
2. Potomac Instrument SD/RX-31 Frequency Sythesizer and Coherent
Detector was checked against a frequency counter at time of
measurements. Error was found to negligible.

RADIO STATION WMNY
SUMTER, SOUTH CAROLINA

TABLE OF DATA TAKEN-MAY 14, 1989.

FREQUENCY	RESISTANCE	REACTANCE
1340 KHz	56.0 Ohms	+J21.90hms
1345	56.4	18.9
1350	56.2	14.0
1355	56.1	9.9
1360	54.5	6.7
1365	52.2	3.1
1370	50.0	2.1
1375	46.0	-J1.0
1380	42.4	1.7
1385	39.4	0.3
1390	37.4	0.0
1395	36.5	+J1.0
1400	36.2	+J2.0

RADIO STATION WNNY
ELIJAH, S.C.
COMMON POINT RESISTANCE
MAY 14, 1989



PARTIAL PROOF OF PERFORMANCE

MAY 20, 1989

RADIO STATION WMNY-AM

SUMMARY OF PARTIAL DIRECTIONAL PROOF

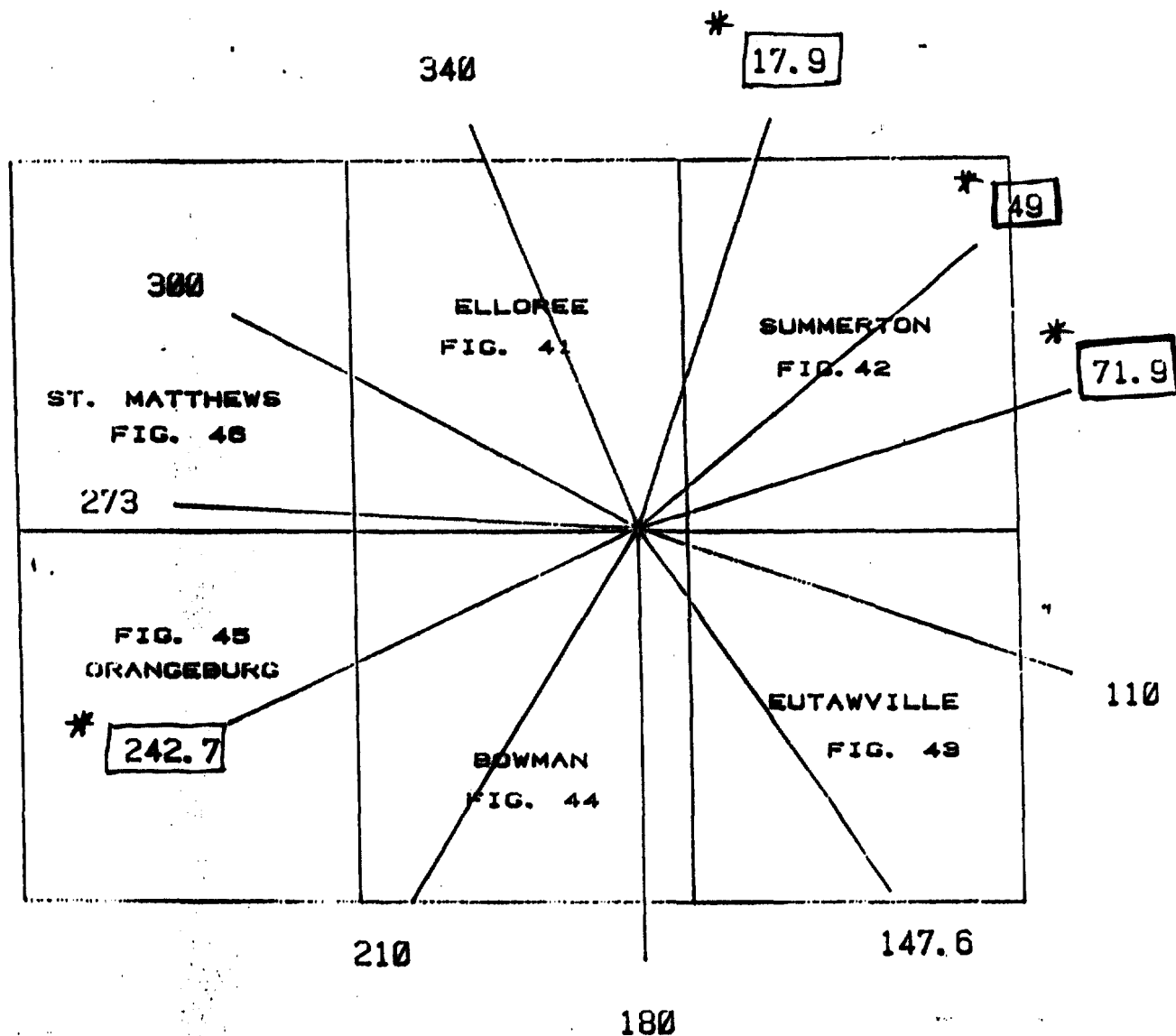
RADIO STATION WMNY

After the installation of a new FM antenna on tower #1 the Common point was set and measured. All phase and Loop Currents were adjusted for previous normal operation. The system appeared stable and measurements were conducted by the station Chief Operator.

The enclosed maps and measurements indicate that the WMNY directional system is operating properly and is stable.

Radio Station WINNY-AM

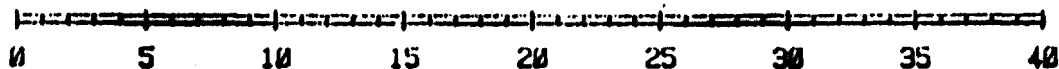
INDEX TO TOPOGRAPHIC MAPS
SHOWING MEASUREMENT LOCATIONS



* RADIALS MEASURED

ALL QUADRANGLES SOUTH CAROLINA USGS 15 MINUTE

SCALE OF MILES 1: 500000



DIRECTIONAL PROOF RADIAL REPORT SHEET WMNY AM RADIO RADIAL N-17.9°-E

---Partial Proof---

*Left radial toward
State Park.*

OUR #	OUR miles	NOV. 84	DEC. 87	MAY 1989			REMARKS
				MV/M	TIME	DATE	
20	3.7	2.0		1.5	950AM	5-14	
21	3.6	1.90		1.7	10AM	5-14	
22	4.3	.7		.6	1015AM	5-14	
23	9.5	.28		.26	1050AM	5-14	
24	10.2	.27		.25	1115AM	5-14	
25	11.2	.20		.19	1127AM	5-14	
26	11.5	.19		.18	1141AM	5-14	
27	11.8	.18		.17	1220PM	5-14	
28	12	.17		.17	1228PM	5-14	
29	14.4	.091		.081	1250PM	5-14	
30	15.5	.075		.070	1PM	5-14	
* 19	2.82	.23		.7	930AM	5-14	our regular measurement point

These measurements were performed by Clarence Everett Jones, on the dates and times shown above. Field Intensity Meter FIM-135, Serial 157, Calibrated Feb 7 1986.

Date: May 14, 1989

Clarence Jones
Clarence Everett Jones

FCC# PG6-18502 Lifetime
General Radiotelephone License

NOTE: 4.3 TO 9.5
MILES IS IN
LAKE MARION

ELLWOOD - Sumner on map

DIRECTIONAL PROOF RADIAL REPORT SHEET WMNY AM RADIO RADIAL N-49-E

---Partial Proof--- *MIDDLE RADIAL TOWARDS
Sawyer State Park*

OUR #	OUR miles	NOV. 84	DEC. 87	MAY 1989			REMARKS
				MV/M	TIME	DATE	
20	2.3	12.9		11	930 AM	5-15	} inside state park
21	2.8	12.0		10.7	940 AM	5-15	
22	3.2	12.9		12	951 AM	5-15	
23	3.7	11.0		10.8	1005 AM	5-15	
24	7.6	1.2		1.0	1030 AM	5-15	end road at Sawyer State Park
25	8.1	1.3		1.1	1040 AM	5-15	
26	8.3	1.1		1.0	1053 AM	5-15	
27	8.6	.9		.8	1109 AM	5-15	
28	9.1	.8		.7	1118 AM	5-15	
29	9.9	.55		.51	1126 AM	5-15	
30	10.3	.49		.47	1140 AM	5-15	1 m. SW Jackson creek
31	11.1	.30		.28	1205 PM	5-15	1.58 m. SW Jackson creek

These measurements were performed by Clarence Everett Jones, on the dates and times shown above. Field Intensity Meter FIM-135, Serial 157, Calibrated Feb 7 1986.

Date: May 15, 1989

Clarence Jones
Clarence Everett Jones

FCC# PG6-18502 Lifetime
General Radiotelephone License

* point 23-24
IS IN LAKE
WARIAN

DIRECTIONAL PROOF RADIAL REPORT SHEET WMNY AM RADIO RADIAL N-71.9 E
 ---Partial Proof--- Right radial towards
 State Park.

OUR #	OUR miles	NOV. 84	DEC. 87	MAY 1989			REMARKS
				MV/M	TIME	DATE	
20	2	—	—		1205 AM	5-16	
21	2.1	10.4	10.0	9.6	1140 AM	5-16	
22	2.6	2.4	2.4	1.6	1132 AM	5-16	regular measurement point
23	3.7	2.9	2.2	2.0	1124 AM	5-16	
24	6.5	2.6	2.0	1.9	1102 AM	5-16	Ft. Marion
25	6.9	2.4	1.9	1.6	1054 AM	5-16	
26	7.2	1.9	1.2	1.0	1040 AM	5-16	1 mile Long Rd. off US 15
27	8.8	1.6	1.0	.9	1028 AM	5-16	oak + stream road
28	9.1	.77	.60	.58	1015 AM	5-16	Santee road by
29	9.4	.99	.70	.67	1005 AM	5-16	off Santee road
30	9.7	.92	.60	.56	951 AM	5-16	
31	10.9	.85	.50	.45	940 AM	5-16	1 mile S. From St. Paul.

These measurements were performed by Clarence Everett Jones, on the dates and times shown above. Field Intensity Meter FIM-135, Serial 157, Calibrated Feb 7 1986.

Date: May 16, 1989

Clarence Jones
 Clarence Everett Jones

FCC# PG6-18502 Lifetime
 General Radiotelephone License

NOTE: 23-25
 IS IN LAKE
 MARION.

Bowman - 5600 J Maple
N-242.7°-E
Radial towards
Romeville

DIRECTIONAL PROOF RADIAL REPORT SHEET WMNY AM RADIO RADIAL
---Partial Proof---

OUR #	OUR MILES	NOV. 84	DEC. 87	MAY 1989			REMARKS
				MV/M	TIME	DATE	
* 18	1.8	58		48	2 PM	5-14	regular measurement point
19	1.9	—		—	—	5-14	
20	2	—		—	—	5-14	
21	2.9	55		51	232 PM	5-14	
22	3.2	30		28	245 PM	5-14	
23	3.8	20		19	255 PM	5-14	HWY 47
24	4.5	12		11	320 PM	5-14	
25	5.2	9.5		8.9	335 PM	5-14	
26	5.9	8		7.8	350 PM	5-14	
27	6.5	5.5		5.1	407 PM	5-14	301.0 at point 176
28	7.6	4.0		3.8	428 PM	5-14	HWY 492 at LC branch

These measurements were performed by Clarence Everett Jones, on the dates and times shown above. Field Intensity Meter FIM-135, Serial 157, Calibrated Feb 7 1986.

Date: May 14, 1989 Clarence Jones
Clarence Everett Jones

FCC# PG6-18502 Lifetime
General Radiotelephone License

AM Radio Station
WMNY DIRECTIONAL PROOF
MEASUREMENT LOCATIONS

300°

273°

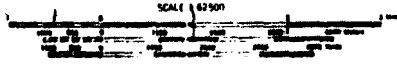
17.9°

49°

71.9°

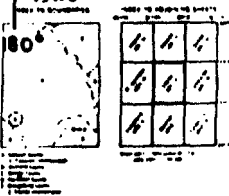
Approved under the authority of the Chief of Engineers for use in the Survey of the State of South Carolina.
The Engineer General is authorized to use the map for any purpose for which it was designed, and to make any necessary corrections.
The map is not to be used for any other purpose without the express permission of the Chief of Engineers.

Legend	Scale
1. Contour lines showing elevation in feet.	1 inch = 1 mile
2. Roads and highways.	
3. Railroads.	
4. Water bodies (lakes, rivers, etc.).	
5. Towns and villages.	
6. Other features.	



SCALE 1:62,500
CONTOUR IN FEET
POLYCONIC PROJECTION

OLD AND DISCONTINUED BY U.S. GEOLOGICAL SURVEY, WASHINGTON, D.C.

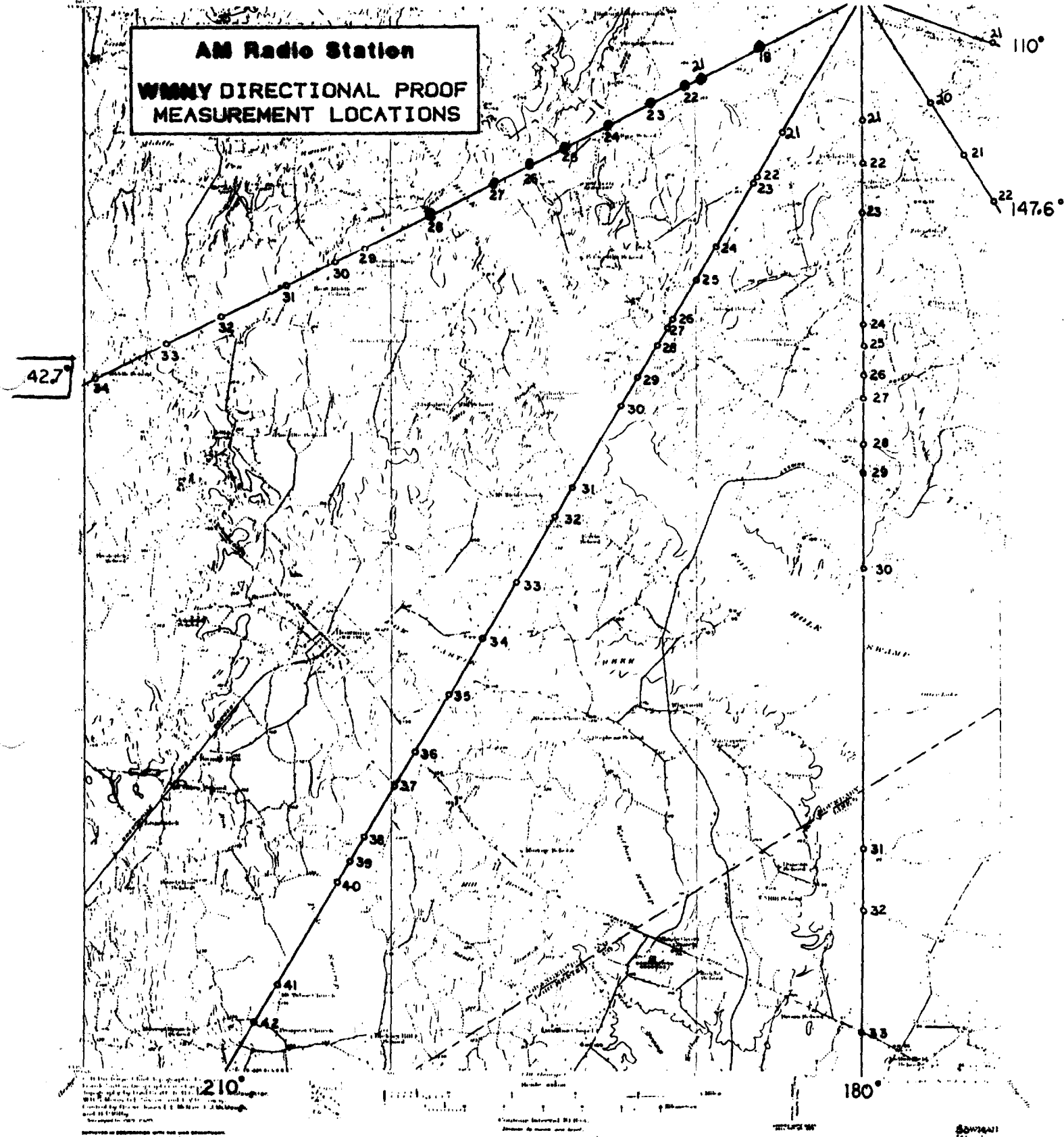


EL LOREE, SOUTH CAROLINA
1950-51-52

This map was reproduced by electronic color printing of an original drawing 1:62,500.



AM Radio Station
WMNY DIRECTIONAL PROOF
MEASUREMENT LOCATIONS



POTOMAC INSTRUMENTS, INC.

SILVER SPRING, MARYLAND

RECEIVED BY

JUL 10 1986

FOR MAIL BRANCH

CERTIFICATE OF CALIBRATION

Field Intensity Meter Type FIM-135 Serial No. 157

This instrument was calibrated in an induction field of 220.0 millivolts per meter. At each measurement frequency the measured field was recorded and a correction factor K was computed: the indicated field must be multiplied by K to obtain the true field.

For some instruments a second factor K_{10} is given for use only with measurements made on the 10 volts-per-meter full scale range. K_{10} is supplied only when applicable.

<u>KHz</u>	<u>K</u>	<u>MHz</u>	<u>K</u>	<u>KHz</u>	<u>K</u>	<u>MHz</u>	<u>K</u>
540	1.000			1100	1.000		
600	1.000			1200	1.000		
700	1.000			1300	1.000		
800	1.000			1400	1.000		
900	1.000			1500	1.005		
1000	1.000			1600	1.009		

Single frequency of KHz only, K

The calibrating field is maintained equal to the National Bureau of Standards standard field within an accuracy of 1.0 per cent. NBS states that the absolute accuracy of its field is "believed to be within 3.0 per cent".

The error at points on the meter scale other than the calibration point is less than 3.0 per cent. The attenuator ratios are correct within 2.0 per cent. These accuracies apply for battery voltages that are indicated by the instrument's battery check circuit to be useable.

NEXT RECOMMENDED CALIBRATION DATE February 1988

Calibrated by Lynn D. Catino Date Feb. 7, 1986

STATE OF MARYLAND

Personally appeared before me this 7th day of February, 1986,
Lynn D. Catino, who testified under oath that the above calibration was made either by himself or under his direction and that the statements in the above certificate are true to the best of his knowledge and belief.

UNITED STATES OF AMERICA
FEDERAL COMMUNICATIONS COMMISSION

File No.: BL-811109AV
Call Sign: W S O L

625

STANDARD BROADCAST STATION LICENSE

Subject to the provisions of the Communications Act of 1934, subsequent Acts, and Treaties, and Commission Rules made thereunder, and further subject to conditions set forth in this license, the LICENSEE

SANTEE-COOPER BROADCASTING COMPANY OF ORANGEBURG, INC.

is hereby authorized to use and operate the radio transmitting apparatus hereinafter described for the purpose of broadcasting for the term ending 3 a.m. Local Time DECEMBER 1, 1988

The licensee shall use and operate said apparatus only in accordance with the following terms:

1. On a frequency of 1370 kHz.
2. With nominal power of - watts nighttime and 5 kilo watts daytime,
with antenna input power of - watts - directional
antenna nighttime
and antenna input power of 5400 watts --- directional
antenna daytime
Common Point
Common Point
current - amperes
resistance - ohms
current 10.4 amperes
resistance 50 ohms
3. Hours of operation: Daytime as follows:
Average hours of sunrise and sunset:
Jan. 7:30 am to 5:30 pm; Feb. 7:00 am to 6:00 pm;
Mar. 6:30 am to 6:30 pm; Apr. 5:45 am to 7:00 pm;
May 5:15 am to 7:15 pm; June 5:15 am to 7:30 pm;
July 5:15 am to 7:30 pm; Aug. 5:45 am to 7:15 pm;
Sep. 6:00 am to 6:30 pm; Oct. 6:30 am to 5:45 pm;
Nov. 7:00 am to 5:15 pm; Dec. 7:15 am to 5:15 pm;
Eastern Standard Time (Non-Advanced)
4. With the station located at: Elloree, South Carolina
5. With the main studio located at: Hwy. 6, 2.8 mi. S. of center of
Elloree, South Carolina
6. Remote control point: ---
7. Transmitter location: North Latitude: 33° 30' 07"
Hwy. 6, 2.8 mi. S. of center of West Longitude: 80° 32' 14"
Elloree, South Carolina
8. Obstruction marking specifications in accordance with the following paragraphs of FCC Form 715: For Tower #1 - 1, 3
12 & 21 For Towers #2, 3 & 4 - None required
9. Transmitter(s): Type Accepted
10. Conditions: ---

The Commission reserves the right during said license period of terminating this license or making effective any changes or modification of this license which may be necessary to comply with any decision of the Commission rendered as a result of any hearing held under the rules of the Commission prior to the commencement of this license period or any decision rendered as a result of any such hearing which has been designated but not held, prior to the commencement of this license period.

This license is issued on the licensee's representation that the statements contained in licensee application are true and that the undertakings therein contained so far as they are consistent herewith, will be carried out in good faith. The licensee shall, during the term of this license, render such broadcasting service as will serve public interest, convenience, or necessity to the full extent of the privileges herein conferred.

This license shall not vest in the licensee any right to operate the station nor any right in the use of the frequency designated in the license beyond the term hereof, nor in any other manner than authorized herein. Neither the license nor the right granted hereunder shall be assigned or otherwise transferred in violation of the Communications Act of 1934. This license is subject to the right of use or control by the Government of the United States conferred by Section 606 of the Communications Act of 1934.

1/ This license consists of this page and pages 2 & 3.

Dated: February 11, 1982

FEDERAL
COMMUNICATIONS
COMMISSION



1982
KJ

File NO.: BL-811109AV

Call Sign: WSOL

Date: 2-11-82

DA-

1. DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM

No. and Type of Elements: Four (4) uniform cross-section, guyed, series excited steel towers. Theo RMS 421.13 mV/m, day: Std. RMS 442.42 mV/m day.

Height above Insulators: Tower #1 300' (150.3°) Towers 2, 3 & 4 180' (90.2°)

Overall Height: Tower #1 306' Towers 2, 3 & 4 186'

Spacing and Orientation: Four towers arranged in the form of a rectangle. Tower #1 as referenced, Tower #2 is spaced 155° at a bearing 225° T, #3 Tower is spaced 60° bearing 131° T and Tower #4 spaced 162.26° bearing 203.35° T.

Non-Directional Antenna: None used.

Ground System consists of

120 buried copper radials each 179.6 feet long except where shorter due to intersection with other radials of adjacent towers, or the property line. 24' square expanded mesh screen at each tower base.

2. THEORETICAL SPECIFICATIONS

	TOWER	N(#1)	SE(#2)	SW(#3)	S(#4)
Phasing:	Day	0	-42	-133	-175

Field Ratio:	Day	1.0	0.92	0.48	0.44
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3. OPERATING SPECIFICATIONS

Phase Indication*:	Day	23.3°	0°	-106.4°	-135.4°
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Antenna Base					
Current Ratio:	Day	0.126	1.00	0.382	0.390

Antenna Monitor Sample					
Current Ratio:	Day	0.419	1.00	0.414	0.487

* As indicated by Potomac Instruments AM-19D(210)